

Generac Power Systems, Inc.
S45 W29290 Hwy. 59
Waukesha, Wisconsin 53189
P (262) 544-4811
F (262) 968-3791



December 30, 2015

Ms. Kristin Hart
Section Chief
Wisconsin Dept. Of Natural Resources
PO Box 7921
Madison, WI 53707-7921

Re: Generac Power Systems-Waukesha Facility

FID: 268014670
Construction Permit Application

Dear Kristin –

Generac Power Systems facility at S45 W29290 Hwy 59 (State Hwy 59 & Hillside Rd.) in Waukesha, Wisconsin, FID 268014670, currently operates under terms and conditions of Air Pollution Operation permit 268014670-P20.

Pursuant to our recent discussions, Generac is proposing several changes at the facility which trigger construction permitting under NR 406, Wisconsin Administrative Code.

Enclosed please find the NR 406 permit application along with the check in the amount of \$7,500 for the Initial Application Fees under NR 410 Wisconsin Administrative Code.

Please call me at 262.544.4811 x2376 if you need additional information.

Sincerely,

GENERAC POWER SYSTEMS, INC.

A handwritten signature in black ink, appearing to read "John R. Gibbons", is written over a circular stamp.

John R. Gibbons, P.E
Senior Manager,
Corporate EHS

Facility Identification
Air Pollution Control Permit Application
Form 4530-100 (R 1/11)

Notice: Use of this form is required by the Department for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis. Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this application form. You are required to submit two copies in accordance with s. NR 407.05(2), Wis. Adm. Code. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Facility Information

Facility Name GENERAC POWER SYSTEMS INC - WAUKESHA FACILITY	Standard Industrial Class Code (SIC) 3621	Facility ID Number (FID) 268014670
Street Address (where pollution sources are/will be located) HWY 59 & HILLSIDE RD.	<input type="checkbox"/> City <input checked="" type="checkbox"/> Town <input type="checkbox"/> Village of GENESEE	County WAUKESHA
Primary Operating Activity (e.g., lead-acid battery manufacturer or sulfite paper mill) MANUFACTURE ELECTRIC MOTORS & GENERATORS	Is the facility located in an area designated as "nonattainment"? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (refer to instruction booklet)	If yes, indicate the pollutant(s) for the nonattainment designation

Applicant Information

Applicant Name (provide full business or individual's name) GENERAC POWER SYSTEMS INC.				
Mailing Address PO BOX 8	City WAUKESHA	State WI	ZIP Code 53187	
Parent Corporation or Owner Name (if not wholly owned by applicant) GENERAC HOLDINGS				
Mailing Address PO BOX 8	City WAUKESHA	State WI	ZIP Code 53187	Country (if not U.S.)
Responsible Official Name—person legally responsible for the operation of the permitted air pollution sources [see NR 400.02(80e), Wis. Adm. Code] DAN WASCHOW				
Title VP OF OPERATIONAL EXCELLENCE			Phone Number 2625444811	

Permit Contact Person – to be contacted for additional information concerning air pollution sources
JOHN GIBBONS

Title EHS MANAGER	Phone Number 2625444811
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Permit Information

Instructions: If applying for a construction permit (including modification, reconstruction, relocation, and replacement), you MUST also apply for an operation permit, an operation permit renewal, or an operation permit revision. Select 'Operation Permit' if you currently do not have a facility-wide operation permit. Select 'Operation Permit Renewal' if you are renewing your facility-wide operation permit in conjunction with the proposed project. Otherwise, select 'Operation Permit Revision' so that your facility-wide operation permit will be revised to reflect the proposed project.

Permit Type:

☒ Construction Permit

Anticipated construction start date: 02/01/2016 Anticipated operation start date: 02/01/2016
mm/dd/yy mm/dd/yy

☒ Initial application fee attached (\$7,500)

☐ Construction Permit Exemption and Authority – List appropriate Code citation: _____

☐ Construction Permit Revision – List permit to be revised: _____

☐ Operation Permit Revision – List permit to be revised: _____

☐ Administrative Revision

☐ Minor Revision (must be accompanied by Form 4530-137)

☐ Significant Revision

☐ Operation Permit – select type: ☐ Part 70 Source

☐ Operation Permit Renewal – select type: ☐ Synthetic Minor, Non - Part 70 Source

☐ Non - Part 70 Source

List permit to be renewed: _____

☐ Elective Operation Permit (if requesting an operation permit that is otherwise not required)

☐ Operation Permit Exemption and Authority - List appropriate Code citation: _____

Expedited review fee:

If expedited review requested and fulfilled within the following time periods, the construction permit application fee you will be billed will include a surcharge for this additional service:

- ☒ 50 days from receipt of completed application for a review not conducted under ch. NR 405 or 408 - \$5,000
- ☐ 60 days from receipt of completed application for a review conducted under ch. NR 405 or 408 - \$7,500
- ☐ 90 days from receipt of completed application for a review conducted under ch. NR 405 or 408 - \$4,000

Is additional information attached?

☒ Yes ☐ No

Are two copies of completed form and additional information included?

☒ Yes ☐ No

FACILITY PLOT PLAN
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-101 Rev. 12-99

Use of this form is required by the Department for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

In order for a comprehensive air quality analysis to be accomplished, a facility plot plan **MUST** be included with the permit application. If the application is for an initial operation permit, submit the elements under #2 below. If the application is for a renewal, answer #1 below first.

1. Have there been changes to the facility plot plan since the previous operation permit application was submitted?

☐ No. The plot plan submitted with the original application can be used for the renewal.

☒ Yes. An up-to-date plot plan is attached.

2. If there have been changes to the facility plot plan since the last operation permit application submittal, RESUBMIT an up-to-date plot plan which must include the following or the permit application will be deemed incomplete:

FOR DEPARTMENT USE ONLY

COMPLETE INCOMPLETE NOT APPLICABLE

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

1. A building layout (blueprint, plan view) including all buildings occupied by or located on the site of the facility.

2. The maximum height of each building (excluding stack height).

3. The location and numerical designation of each stack. Please ensure these designations correspond to the appropriate stacks listed on the other permit forms in this application.

4. The location of fenced property lines (if any).

5. Identify direction "North" on all submittals.

6. All drawings shall be to scale and shall have the scale graphically depicted.

7. An additional regional map depicting the facility location in relation to the surrounding vicinity (roads or other features) shall be included.

Are there any outdoor storage piles on the facility site?

☐ Yes ☒ No

If so, what material does the pile(s) consist of?

Are there any dirt roads or unpaved parking lots on the facility site?

☐ Yes ☒ No

SOURCE AND SITE DESCRIPTIONS
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-102 Rev. 12-99 Information attached? __ (y/n)

Use of this form is required by the Department for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

1. Briefly describe the proposed project or existing Unit(s) to be permitted. Attached supplemental forms as needed.

Generac Power Systems, Incorporated is a manufacturer of electric engines and generators. The generators produced vary in size from small consumer units to large commercial backup units. The company operates several manufacturing facilities in Wisconsin. This facility is located in the Town of Genesee (Waukesha County), just southwest of the City of Waukesha. The facility houses manufacturing operations along with administrative offices and research laboratories. The facility also serves as the company's headquarters.

Generac is proposing the following changes at the Waukesha facility:

- 1. Existing indoor test cells Process P47: This process will now vent to one consolidated stack designated as S01. The process will not be modified but the process number will be changed to P01A to correspond with the new stack designation.**
- 2. Existing outdoor test cells Process P55: This process will now vent to one consolidated stack designated as S02. The process will not be modified but the process number will be changed to P02A to correspond with the new stack designation.**
- 3. New indoor testing Process P01B: This new process will vent to Stack S01, along with existing source P01A.**
- 4. New outdoor testing Process P02B: This new process will vent to Stack S02, along with existing source P02A.**
- 5. Existing Process P70: This process will undergo an expansion and require a new stack. The new expanded process and stack will be designated as P03/S03.**
- 6. New Training Center Process P04 and associated new stack S04**

For Renewal Applications: NA

1. Were any new or modified emissions units installed/modified at the facility since the last operation permit issuance date?

- ☐ No. Proceed to form 4530-102A.
- ☐ Yes. Answer the following questions:

2. Briefly describe any new/modified emissions units installed at the facility since the last operation permit issuance date and include the following information. Attach supplemental forms as needed.

- a. List the Department issued construction and/or operation permit number as applicable (identifying which units were covered by which permit if multiple permits issued).
 - i. If operation permit application forms were submitted for the new emission unit(s) covered by the construction permit mentioned above, reference the date of that application.
 - ii. For Part 70 Sources Only: If no operation permit application forms were submitted for the new emissions unit(s) covered by the construction permit mentioned above, complete the appropriate forms 4530-118 through 4530-125.
- b. Include the Department issued construction permit exemption number, if one was assigned, or reference the date of the letter of the exemption.

2. Site Description

Generac Waukesha is located on the north side of Hwy 59 just west of the intersection with Hillside Road. The surrounding area is made up of relatively flat terrain and a mix of residential, commercial, and industrial properties.

SOURCE DESCRIPTION – SUPPLEMENTAL
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-102A Rev. 12-99

Information attached? ___ (y/n)

Use of this form is required by the Department for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

1. List all significant existing or proposed air pollution units, operations, and activities at the facility. A short narrative of the inventory of air pollution emissions unit (e.g., boiler, printing line, etc.) followed by equipment specifications will suffice. If the facility consists of several individual emission units, present this information in an outline format. (See instruction booklet for an example Unit description.)

Generac is proposing the following changes at the Waukesha facility:

S01, P01A, P01B	Existing and New indoor test cells
S02, P02A, P02B	Existing and New outdoor test cells
S03, P03	Existing source (P70), expanded with new stack
S04, P04	New Training Center
F05, P05	Off stack noise testing (existing source limited to less than 200 hours)

For Renewal Applications: **NA**

1. If there were any new or modified emissions units installed/modified at the facility since the last operation permit issuance date:
- If any of these new/modified units were exempt from construction permit requirements, but are significant emissions units and operation permit application(s) for the new unit(s) were submitted to the Department reference the date of those submittals.
 - If any of the new/modified units are insignificant emissions units list them on form 4530-102B.
 - If any of the new/modified emissions units do not fit any of the above categories, fill out the appropriate forms for each emissions unit as follows:
 - For Part 70 Sources: Fill out the appropriate forms 4530-103 through 4530-133; OR
 - For Synthetic Minor Non Part-70 Sources and Non-Part 70 Sources: Fill out the appropriate forms 4530-103 through 4530-117 and 4530-126 through 4530-129.

SOURCE DESCRIPTION – SUPPLEMENTAL
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-102B Rev. 12-99 Information attached? ___ (y/n)

Use of this form is required by the Department for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

1. Mark all insignificant existing or proposed air pollution units, operations, and activities at the facility listed below. If not listed, provide a short narrative of the inventory of air pollution emissions unit (e.g., boiler, printing line, etc.) followed by equipment specifications. If the facility consists of several individual emission units, present this information in an outline format. **For Renewal Applications, identify those that are new since the last update to your application.** (See instruction booklet for an example Unit description.)

- ☐ Maintenance of Grounds, Equipment, and Buildings (lawn care, painting, etc.)
- ☐ Boiler, Turbine, and HVAC System Maintenance
- ☐ Pollution Control Equipment Maintenance
- ☐ Internal Combustion Engines Used for Warehousing and Material Transport
- ☐ Fire Control Equipment
- ☐ Janitorial Activities
- ☐ Office Activities
- ☐ Convenience Water Heating
- ☐ Convenience Space Heating (< 5 million BTU/hr Burning Gas, Liquid, or Wood)
- ☐ Fuel Oil Storage Tanks (< 10,000 gal.)
- ☐ Stockpiled Contaminated Soils
- ☐ Demineralization and Oxygen Scavenging of Water for Boilers
- ☐ Purging of Natural Gas Lines
- ☐ Sanitary Sewer and Plumbing Venting
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

* No new insignificant sources associated with this project.

GENERAC POWER SYSTEMS - WAUKESHA
ATTACHMENT TO FORM 4530-101
ADDITIONAL REGIONAL MAP



INDEX OF AIR POLLUTION PERMIT APPLICATION FORMS
Form 4530-134 Rev. 12-99

I. ADMINISTRATION		
This application contains the following forms:	<input checked="" type="checkbox"/> Form 4530-100, Facility Identification	
	<input checked="" type="checkbox"/> Form 4530-101, Facility Plot Plan	
	<input checked="" type="checkbox"/> Forms 4530-102, -102A, and -102B, Source and Site Descriptions	
II. EMISSIONS SOURCE DESCRIPTION		
This application contains the following forms (one form for each facility boiler, printing operation, etc.):	<input checked="" type="checkbox"/> Form 4530-103, Stack Identification	4
	<input type="checkbox"/> Form 4530-104, Boiler or Furnace Operation	
	<input type="checkbox"/> Form 4530-105, Storage Tanks	
	<input type="checkbox"/> Form 4530-106, Incineration	
	<input type="checkbox"/> Form 4530-107, Printing Operations	
	<input type="checkbox"/> Form 4530-108, Painting and Coating Operations	
	<input checked="" type="checkbox"/> Form 4530-109, Miscellaneous Processes	4
III. AIR POLLUTION CONTROL SYSTEM		
This application contains the following forms:	<input type="checkbox"/> Form 4530-110, Miscellaneous	
	<input type="checkbox"/> Form 4530-111, Condensers	
	<input type="checkbox"/> Form 4530-112, Adsorbers	
	<input type="checkbox"/> Form 4530-113, Catalytic or Thermal Oxidation	
	<input type="checkbox"/> Form 4530-114, Cyclones/Settling Chambers	
	<input type="checkbox"/> Form 4530-115, Electrostatic Precipitators	
	<input type="checkbox"/> Form 4530-116, Wet Collection Systems	
	<input type="checkbox"/> Form 4530-117, Baghouses/Fabric Filters	
IV. COMPLIANCE DEMONSTRATION		
This application contains the following forms (one for each facility boiler, printing operation, etc.):	<input checked="" type="checkbox"/> Form 4530-118, Compliance Certification - Monitoring and Reporting	4
	<input type="checkbox"/> Form 4530-119, Continuous Emission Monitoring	
	<input type="checkbox"/> Form 4530-120, Periodic Emission Monitoring Using Portable Monitors	
	<input type="checkbox"/> Form 4530-121, Control System Parameters or Operation Parameters of a Process	
	<input type="checkbox"/> Form 4530-122, Monitoring Maintenance Procedures	
	<input type="checkbox"/> Form 4530-123, Stack Testing	
	<input type="checkbox"/> Form 4530-124, Fuel Sampling and Analysis	
	<input checked="" type="checkbox"/> Form 4530-125, Recordkeeping	5

V. EMISSION SUMMARY AND COMPLIANCE CERTIFICATION		Total Number of This Form
This application contains the following forms quantifying emissions, certifying compliance with applicable requirements, and developing a compliance plan	<input checked="" type="checkbox"/> Form 4530-126, Emission Unit Hazardous Air Pollutant Summary	4
	<input type="checkbox"/> Form 4530-127, Facility Hazardous Air Pollutant Summary	
	<input checked="" type="checkbox"/> Form 4530-128, Emission Unit Summary	4
	<input type="checkbox"/> Form 4530-129, Facility Emissions Summary	
	<input checked="" type="checkbox"/> Form 4530-130, Current Emissions Requirements and Status of Unit	5
	<input checked="" type="checkbox"/> Form 4530-131, Emission Unit Compliance Plan – Commitments and Schedule	5
	<input type="checkbox"/> Form 4530-132, Current Emissions Requirements and Status of Facility	
	<input type="checkbox"/> Form 4530-133, Facility Requirement Compliance Plan Commitments and Schedule	

VI. SIGNATURE OF RESPONSIBLE OFFICIAL	
<p>A. STATEMENT OF COMPLETENESS</p> <p>I have reviewed this application in its entirety and, based on information and belief formed after reasonable inquiry, I certify that the statements and information contained in this application are true, accurate and complete.</p> <p>B. FOR RENEWALS ONLY</p> <p>I have reviewed this application, the original operation permit application dated _____, and operation permit number _____ in their entirety and, based on information and belief formed after reasonable inquiry, I certify that the statements and information contained in this renewal application are true, accurate and complete.</p> <p>C. CERTIFICATION OF FACILITY COMPLIANCE STATUS (check one box only)</p> <p>THIS IS NOT A REQUIREMENT OF NON-PART 70 SOURCES.</p> <p><input type="checkbox"/> I certify that the facility described in this air pollution permit application is fully in compliance with all applicable requirements.</p> <p><input type="checkbox"/> I certify that the facility described in this air pollution permit application is fully in compliance with all applicable requirements, except for the following emissions unit(s):</p> <p style="margin-left: 40px;">_____.</p> <p style="text-align: center;">(list all non-complying units)</p>	
Printed or Typed Name Dan Waschow	Title Vice-President, Operational Excellence
Signature	Date Signed

SEND ALL MATERIALS TO:
 WISCONSIN DEPARTMENT OF NATURAL RESOURCES
 BUREAU OF AIR MANAGEMENT
 OPERATION PERMIT TEAM LEADER
 P.O. BOX 7921
 MADISON, WI 53707-7921

Emission Units P01A, P01B
Stack S01

Existing Indoor Test Cells

New Indoor Test Cells

STACK IDENTIFICATION
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-103 11-93

Information attached? ___ (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System - Waukesha Facility	2. Facility identification number: 268014670	3. Stack identification number: S01
4. Exhausting Unit(s), use Unit identification number from appropriate Form(s) 4530-104, 106, 107, 108 and/or 109 4530-104 _____ 4530-106 _____ 4530-107 _____ 4530-108 _____ 4530-109 P01		
5. Identify this stack on the plot plan required on Form 4530-101		
6. Indicate by checking: <input checked="" type="checkbox"/> This stack has an actual exhaust point. <input type="checkbox"/> This stack serves to identify fugitive emissions. If this stack has an actual exhaust point, then provide the following stack parameters		
7. Discharge height above ground level: 55 (feet)		
8. Inside dimensions at outlet (check one and complete): <input checked="" type="checkbox"/> Circular 3.33 (feet) <input type="checkbox"/> rectangular _____ length (feet) _____ width (feet)		
9. Exhaust flow rate: Normal 43,500 (ACFM) Maximum 43,500 (ACFM)		
10. Exhaust gas temperature (normal): 1,050 (°F)		
11. Exhaust gas moisture content: Normal _____ volume percent Maximum _____ volume percent		
12. Exhaust gas discharge direction: <input checked="" type="checkbox"/> Up <input type="checkbox"/> Down <input type="checkbox"/> Horizontal		
13. Is this stack equipped with a rainhat or any obstruction to the free flow of the exhaust gases from the stack? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

***** Complete the appropriate Air Permit Application Forms(s) 4530-104, 106, 107, 108 or 109 for each Unit exhausting through this stack.

MISCELLANEOUS PROCESSES
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

Information attached? y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power Systems – Waukesha Facility	2. Facility identification number: 268014670				
3. Stack identification number: S01	4. Process number: P01				
4a. Unit description: Generator/Engine Testing					
5. Indicate the control technology status. <input checked="" type="checkbox"/> Uncontrolled <input type="checkbox"/> Controlled					
If the process is controlled, enter the control device number(s) from the appropriate form(s):					
4530-110 _____	4530-111 _____				
4530-112 _____	4530-113 _____				
4530-114 _____	4530-115 _____				
4530-116 _____	4530-117 _____				
6. Source Classification Code (SCC): 20100202, 20301001, 20400401, 20400402					
7. Date of construction or last modification: 2016					
8. Normal operating schedule: <u>24</u> hrs./day <u>5</u> days/wk. <u>250</u> days/yr.					
9. Describe this process (please attach a flow diagram of the process). Indoor Engine/Generator Testing	Attached?				
10. List the types and amounts of raw materials used in this process:					
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units
Not applicable					
Clean-up solvents					
Other (specify)					
11. List the types and amounts of finished products:					
Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units
NA					
12. Process fuel usage:					
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units
Gasoline (new units)	0.91			7.02	Gal/hr
Diesel (new units)	35.72			260.7	Gal/hr
Propane (new units)	14.01			149.5	Gal/hr
Natural Gas (new units)	12.49			11,895.9	Cf/hr
13. Describe any fugitive emissions associated with this process, such as outdoor storage piles, unpaved roads, open conveyors, etc.: none				Attached? No	
***** For this emissions unit, identify the method(s) of compliance demonstration by completing Form 4530-118,***** DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE. Attach Form 4530-118 and its attachment(s) to this form. This is not a requirement of non-Part 70 sources.					
***** Please complete the Air Pollution Control Permit Application Forms 4530-126 and 4530-128 for this Unit. *****					

EMISSION UNIT HAZARDOUS AIR POLLUTANT SUMMARY
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-126 11-93

Information attached? y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S01	4. Unit identification number: P01
5. Unit material description: Engine/Generator Testing	
6. Complete the following summary of hazardous air emissions from this unit. Attach sample calculations and emission factor references. Attached? <u>Yes – See attached sheet for emission information</u>	

Pollutant CAS	Actual emissions		Maximum theoretical emissions		Potential to emit	
		Units		Units		
Acetaldehyde, 75-07-0			Please see attached emission spreadsheets			
Acrolein, 107-02-8						
Ammonia, 7664-41-7						
Benzene, 71-43-2						
1,3 Butadiene, 106-99-0						
Cadmium, 7440-43-9						
Carbon Tetrachloride, 56-23-5						
Formaldehyde, 50-00-0						

SEE INSTRUCTIONS ON REVERSE SIDE

1.Facility name: Generac Power System – Waukesha Facility	2.Facility identification number: 268014670
3.Stack identification number: S01	4.Unit identification number: P01

5.Complete the following emissions summary for the following pollutants. Attach sample calculations and emission factor references. Attached? Yes – see attached sheets for emission information

Air pollutant	Actual			Maximum theoretical emissions			Potential to emit		Maximum allowable*		
		U	TPY		U	TPY		TPY		U	TPY
PM/PM ₁₀	Please see attached emissions spreadsheets										
PM _{2.5}											
Sulfur dioxide											
Organic compounds											
Carbon monoxide											
Nitrogen oxides											
CO ₂											
CH ₄											
N ₂ O											

*Maximum allowable is equal to PTE

Units (U) should be entered as follows:

- 1 = lb/hr
- 2 = lb/MMBtu
- 3 = grains/dscf
- 4 = lb/ gallon
- 5 = ppmdv
- 6 = other (specify)
- 7 = other (specify)
- 8 = other (specify)

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF UNIT
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-130 Rev. 12-99 Information attached? N (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility		2. Facility identification number: 268014670		
3. Stack identification number: S01		4. Unit identification number: P01		
5. Pollutant	6. Wis. Adm. Code Wis. Stats., 40 CFR	7. State Only	8. Limitation	9. Compliance Status (in or out)
Visible Emissions	NR 431.05		20% Opacity	In
Malodorous Emissions	NR 429.03	X	General Limit	In
Particulate	NR 415.06		0.15 lbs/MMBtu	In
Sulfur Dioxide	NR 417.03		General Limit	In
Nitrogen Oxides	NR 428.03		General Limit	In
Carbon Monoxide	NR 426.03		General Limit	In
HAPs- Not Applicable – Exempt per NR 445.07(5)(a)		X		
10. Other requirements (e.g., malfunction reporting, special operating conditions from an existing permit, etc.)			State Only	Compliance Status (in or out)
The total amount of NOx emissions from the entire project may not exceed 20.75 ton/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of NOx emissions from S01 may not exceed 4.71 ton/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of each individual federal HAP emission from the entire facility may not exceed 1,666 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of all federal HAPs combined from the entire facility may not exceed 4,166 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement

**** PART 70 SOURCES ONLY:**

- Be sure to review the Compliance Assurance Monitoring (CAM) Rule, 40 CFR Part 64, for the Renewal Application.** The CAM rule requires owners and operators of Part 70 sources to monitor the operation and maintenance of their control equipment so that they can evaluate the performance of their control devices and report whether or not their facilities meet established emission standards. All facilities that have a Title V, Part 70, Federal Operating Permit are required to meet the CAM rule and **submit a CAM plan with this Title V renewal application.** The rule requires that a CAM plan be submitted with the Title V renewal application for each pollutant at **each emissions unit** which has a potential to emit - prior to controls - of that pollutant greater than the major source threshold for the respective pollutant. Please refer to the CAM Technical Guidance web site at <http://www.epa.gov/ttn/emc/cam.html> for further documentation on the rule and how to prepare a CAM plan for submittal with the renewal application. **NOT APPLICABLE**
- List all applicable **Maximum Achievable Control Technology (MACT)** rule(s) and the effective date(s) if they were promulgated during the last 3 years of your operation permit term. Identify the emissions units subject to each MACT rule listed. **NONE**

COMPLIANCE CERTIFICATION - MONITORING AND REPORTING
DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE

Form 4530-118 11-93

Information attached? N (y/n)

All applicants except non-Part 70 sources are required to certify compliance with all applicable air pollution permit requirements by including a statement within the permit application of the methods used for determining compliance (please see sec. NR 407.05(4)(i), Wis. Adm. Code.) This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually, and may need to be more frequent if specified by the underlying applicable requirement or by the Department.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S01	4. Unit identification number: P01

5. This Unit will use the following method(s) for determining compliance with the requirements of the permit (check all that apply and attach the appropriate form(s) to this form).

☐ Continuous Emission Monitoring (CEM) - Form 4530-119
Pollutant(s):

☐ Periodic Emission Monitoring Using Portable Monitors - Form 4530-120
Pollutant(s):

☐ Monitoring Control System Parameters or Operating Parameters of a Process - Form 4530-121
Pollutant(s):

☐ Monitoring Maintenance Procedures - Form 4530-122
Pollutant(s):

☐ Stack Testing - Form 4530-123
Pollutant(s):

☐ Fuel Sampling and Analysis (FSA) - Form 4530-124
Pollutant(s):

☒ Recordkeeping - Form 4530-125
Pollutant(s): Carbon monoxide, NOx, PM

☐ Other (please describe) - Form 4530-135
Pollutant(s):

6. Compliance certification reports will be submitted to the Department according to the following schedule:

Start date: January 30, after construction is complete
and every 12 months thereafter.

Compliance monitoring reports will be submitted to the Department according to the following schedule:

Start date: January or July 30 whichever is first, after construction is complete
and every 6 months thereafter.

COMPLIANCE DEMONSTRATION BY RECORDKEEPING
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-125 11-93

Information attached? n (y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power Systems – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S01	4. Unit identification number: P01
5. Pollutant(s) being monitored: Carbon monoxide, NOx, PM	6. Material or parameter being monitored and recorded: fuel usage
7. Method of monitoring and recording: Generac will install fuel meters and calculate emissions	
8. List any EPA methods used: None.	
9. Is this an existing method of demonstrating compliance? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10. Installation date: Upon full scale production operation of the emission unit
11. Backup system:	
12. Compliance shall be demonstrated: <input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Batch	
13. Indicate by checking: The monitoring system shall be subject to appropriate performance specifications, calibration requirements, and quality assurance procedures. <input type="checkbox"/> A quality assurance/quality control plan for the recordkeeping system is attached for Department approval. <input type="checkbox"/> If the plan is not attached, please submit it within 60 days of the startup of the recordkeeping program. <input type="checkbox"/> The plan was submitted to the Department on ____.	

*****The compliance records shall be available for Department inspection. The format for the compliance certification report and the excess emission report shall be approved by the Department. A proposed format for the compliance certification report and excess emission report shall be submitted at the same time as the application. *****

*****The source shall record any malfunction that causes or may cause an emission limit to be exceeded. *****
Malfunctions shall be reported to the Department the next business day. Hazardous air spills shall be reported to the Department immediately.

EMISSION UNIT COMPLIANCE PLAN
COMMITMENTS AND SCHEDULE
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-131 11-93 Information attached? n(y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S01	4. Unit identification number: P01

5. For Units that are presently in compliance with all applicable requirements, including any enhanced monitoring and compliance certification requirements under section 114(a)(3) of the Clean Air Act that apply, complete the following. These commitments are part of the application for Part 70 permits.

- ☐ We will continue to operate and maintain this Unit in compliance with all applicable FACILITY WIDE requirements.
- ☒ Form 4530-130 includes new requirements that apply or will apply to this **Unit** during the term of the permit. We will meet such requirements on a timely basis.

6. For Units not presently fully in compliance, complete the following.

- ☐ This Unit is in compliance with all applicable requirements except for those indicated below. We will achieve compliance according to the following schedule:

Applicable Requirement	Corrective Actions	Deadline
1.		
2.		
3.		

Progress reports will be submitted:

Start date: _____ and every six (6) months thereafter

Emission Units P02A, P02B
Stack S02

Existing Outdoor Test Pad
New Outdoor Test Pad

STACK IDENTIFICATION
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-103 11-93

Information attached? ___ (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System - Waukesha Facility	2. Facility identification number: 268014670	3. Stack identification number: S02
4. Exhausting Unit(s), use Unit identification number from appropriate Form(s) 4530-104, 106, 107, 108 and/or 109 4530-104 _____ 4530-106 _____ 4530-107 _____ 4530-108 _____ 4530-109 P02		
5. Identify this stack on the plot plan required on Form 4530-101		
6. Indicate by checking: <input checked="" type="checkbox"/> This stack has an actual exhaust point. <input type="checkbox"/> This stack serves to identify fugitive emissions. If this stack has an actual exhaust point, then provide the following stack parameters		
7. Discharge height above ground level: 55 (feet)		
8. Inside dimensions at outlet (check one and complete): <input checked="" type="checkbox"/> Circular 4 (feet) <input type="checkbox"/> rectangular _____ length (feet) _____ width (feet)		
9. Exhaust flow rate: Normal 74,300 (ACFM) Maximum 74,300 (ACFM)		
10. Exhaust gas temperature (normal): 1,050 (°F)		
11. Exhaust gas moisture content: Normal _____ volume percent Maximum _____ volume percent		
12. Exhaust gas discharge direction: <input checked="" type="checkbox"/> Up <input type="checkbox"/> Down <input type="checkbox"/> Horizontal		
13. Is this stack equipped with a rainhat or any obstruction to the free flow of the exhaust gases from the stack? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

***** Complete the appropriate Air Permit Application Forms(s) 4530-104, 106, 107, 108 or 109 for each Unit exhausting through this stack.

MISCELLANEOUS PROCESSES
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

Information attached? y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power Systems – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S02	4. Process number: P02

4a. Unit description: Generator/Engine Testing

5. Indicate the control technology status. ☒ Uncontrolled ☐ Controlled

If the process is controlled, enter the control device number(s) from the appropriate form(s):

4530-110 _____ 4530-111 _____ 4530-112 _____ 4530-113 _____
4530-114 _____ 4530-115 _____ 4530-116 _____ 4530-117 _____

6. Source Classification Code (SCC): 20100202, 20301001, 20400401, 20400402

7. Date of construction or last modification: 2016

8. Normal operating schedule: 24 hrs./day 5 days/wk. 250 days/yr.

9. Describe this process (please attach a flow diagram of the process).
Indoor Engine/Generator Testing

Attached?

10. List the types and amounts of raw materials used in this process:

Material	Storage/material handling process	Average usage	Units	Maximum usage	Units
Not applicable					
Clean-up solvents					
Other (specify)					

11. List the types and amounts of finished products:

Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units
NA					

12. Process fuel usage:

Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units
Gasoline (new units)	0.76			5.85	Gal/hr
Diesel (new units)	28.65			209.1	Gal/hr
Propane (new units)	9.74			103.62	Gal/hr
Natural Gas (new units)	11.0			10,478	Cf/hr

13. Describe any fugitive emissions associated with this process, such as outdoor storage piles, unpaved roads, open conveyors, etc.:none

Attached?
No

***** For this emissions unit, identify the method(s) of compliance demonstration by completing Form 4530-118,*****
DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE. Attach Form 4530-118 and its attachment(s) to this form. This is not a requirement of non-Part 70 sources.

***** Please complete the Air Pollution Control Permit Application Forms 4530-126 and 4530-128 for this Unit. *****

EMISSION UNIT HAZARDOUS AIR POLLUTANT SUMMARY
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-126 11-93

Information attached? y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S02	4. Unit identification number: P02
5. Unit material description: Engine/Generator Testing	
6. Complete the following summary of hazardous air emissions from this unit. Attach sample calculations and emission factor references. Attached? <u>Yes – See attached sheet for emission information</u>	

Pollutant CAS	Actual emissions		Maximum theoretical emissions		Potential to emit	
		Units		Units		
Acetaldehyde, 75-07-0			Please see attached emission spreadsheets			
Acrolein, 107-02-8						
Ammonia, 7664-41-7						
Benzene, 71-43-2						
1,3 Butadiene, 106-99-0						
Cadmium, 7440-43-9						
Carbon Tetrachloride, 56-23-5						
Formaldehyde, 50-00-0						

SEE INSTRUCTIONS ON REVERSE SIDE

1.Facility name: Generac Power System – Waukesha Facility	2.Facility identification number: 268014670
3.Stack identification number: S02	4.Unit identification number: P02

5.Complete the following emissions summary for the following pollutants. Attach sample calculations and emission factor references. Attached? Yes – see attached sheets for emission information

Air pollutant	Actual			Maximum theoretical emissions			Potential to emit		Maximum allowable*		
		U	TPY		U	TPY		TPY		U	TPY
PM/PM ₁₀				Please see attached emissions spreadsheets							
PM _{2.5}											
Sulfur dioxide											
Organic compounds											
Carbon monoxide											
Nitrogen oxides											
CO ₂											
CH ₄											
N ₂ O											

*Maximum allowable is equal to PTE

Units (U) should be entered as follows:

- 1 = lb/hr
- 2 = lb/MMBtu
- 3 = grains/dscf
- 4 = lb/ gallon
- 5 = ppmdv
- 6 = other (specify)
- 7 = other (specify)
- 8 = other (specify)

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF UNIT
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-130 Rev. 12-99 Information attached? N (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility		2. Facility identification number: 268014670		
3. Stack identification number: S02		4. Unit identification number: P02		
5. Pollutant	6. Wis. Adm. Code Wis. Stats., 40 CFR	7. State Only	8. Limitation	9. Compliance Status (in or out)
Visible Emissions	NR 431.05		20% Opacity	In
Malodorous Emissions	NR 429.03	X	General Limit	In
Particulate	NR 415.06		0.15 lbs/MMBtu	In
Sulfur Dioxide	NR 417.03		General Limit	In
Nitrogen Oxides	NR 428.03		General Limit	In
Carbon Monoxide	NR 426.03		General Limit	In
HAPs- Not Applicable – Exempt per NR 445.07(5)(a)		X		
10. Other requirements (e.g., malfunction reporting, special operating conditions from an existing permit, etc.)			State Only	Compliance Status (in or out)
The total amount of NOx emissions from the entire project may not exceed 20.75 ton/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of NOx emissions from S02 may not exceed 10.30 ton/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of each individual federal HAP emission from the entire facility may not exceed 1,666 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of all federal HAPs combined from the entire facility may not exceed 4,166 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement

**** PART 70 SOURCES ONLY:**

- Be sure to review the Compliance Assurance Monitoring (CAM) Rule, 40 CFR Part 64, for the Renewal Application.** The CAM rule requires owners and operators of Part 70 sources to monitor the operation and maintenance of their control equipment so that they can evaluate the performance of their control devices and report whether or not their facilities meet established emission standards. All facilities that have a Title V, Part 70, Federal Operating Permit are required to meet the CAM rule and **submit a CAM plan with this Title V renewal application.** The rule requires that a CAM plan be submitted with the Title V renewal application for each pollutant at **each emissions unit** which has a potential to emit - prior to controls - of that pollutant greater than the major source threshold for the respective pollutant. Please refer to the CAM Technical Guidance web site at <http://www.epa.gov/ttn/emc/cam.html> for further documentation on the rule and how to prepare a CAM plan for submittal with the renewal application. **NOT APPLICABLE**
- List all applicable **Maximum Achievable Control Technology (MACT)** rule(s) and the effective date(s) if they were promulgated during the last 3 years of your operation permit term. Identify the emissions units subject to each MACT rule listed. **NONE**

COMPLIANCE CERTIFICATION - MONITORING AND REPORTING
DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE

Form 4530-118 11-93

Information attached? N (y/n)

All applicants except non-Part 70 sources are required to certify compliance with all applicable air pollution permit requirements by including a statement within the permit application of the methods used for determining compliance (please see sec. NR 407.05(4)(i), Wis. Adm. Code.) This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually, and may need to be more frequent if specified by the underlying applicable requirement or by the Department.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S02	4. Unit identification number: P02

5. This Unit will use the following method(s) for determining compliance with the requirements of the permit (check all that apply and attach the appropriate form(s) to this form).

☐ Continuous Emission Monitoring (CEM) - Form 4530-119
Pollutant(s):

☐ Periodic Emission Monitoring Using Portable Monitors - Form 4530-120
Pollutant(s):

☐ Monitoring Control System Parameters or Operating Parameters of a Process - Form 4530-121
Pollutant(s):

☐ Monitoring Maintenance Procedures - Form 4530-122
Pollutant(s):

☐ Stack Testing - Form 4530-123
Pollutant(s):

☐ Fuel Sampling and Analysis (FSA) - Form 4530-124
Pollutant(s):

☒ Recordkeeping - Form 4530-125
Pollutant(s): Carbon monoxide, NOx, PM

☐ Other (please describe) - Form 4530-135
Pollutant(s):

6. Compliance certification reports will be submitted to the Department according to the following schedule:

Start date: January 30, after construction is complete
and every 12 months thereafter.

Compliance monitoring reports will be submitted to the Department according to the following schedule:

Start date: January or July 30 whichever is first, after construction is complete
and every 6 months thereafter.

COMPLIANCE DEMONSTRATION BY RECORDKEEPING
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-125 11-93

Information attached? n (y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power Systems – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S02	4. Unit identification number: P02
5. Pollutant(s) being monitored: Carbon monoxide, NOx, PM	6. Material or parameter being monitored and recorded: fuel usage
7. Method of monitoring and recording: Generac will install fuel meters and calculate emissions	
8. List any EPA methods used: None.	
9. Is this an existing method of demonstrating compliance? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10. Installation date: Upon full scale production operation of the emission unit
11. Backup system:	
12. Compliance shall be demonstrated: <input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Batch	
13. Indicate by checking: The monitoring system shall be subject to appropriate performance specifications, calibration requirements, and quality assurance procedures. <input type="checkbox"/> A quality assurance/quality control plan for the recordkeeping system is attached for Department approval. <input type="checkbox"/> If the plan is not attached, please submit it within 60 days of the startup of the recordkeeping program. <input type="checkbox"/> The plan was submitted to the Department on ____.	

*****The compliance records shall be available for Department inspection. The format for the compliance certification report and the excess emission report shall be approved by the Department. A proposed format for the compliance certification report and excess emission report shall be submitted at the same time as the application. *****

*****The source shall record any malfunction that causes or may cause an emission limit to be exceeded. *****
Malfunctions shall be reported to the Department the next business day. Hazardous air spills shall be reported to the Department immediately.

EMISSION UNIT COMPLIANCE PLAN
COMMITMENTS AND SCHEDULE
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-131 11-93 Information attached? n(y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S02	4. Unit identification number: P02

5. For Units that are presently in compliance with all applicable requirements, including any enhanced monitoring and compliance certification requirements under section 114(a)(3) of the Clean Air Act that apply, complete the following. These commitments are part of the application for Part 70 permits.

- ☐ We will continue to operate and maintain this Unit in compliance with all applicable FACILITY WIDE requirements.
- ☒ Form 4530-130 includes new requirements that apply or will apply to this **Unit** during the term of the permit. We will meet such requirements on a timely basis.

6. For Units not presently fully in compliance, complete the following.

- ☐ This Unit is in compliance with all applicable requirements except for those indicated below. We will achieve compliance according to the following schedule:

Applicable Requirement	Corrective Actions	Deadline
1.		
2.		
3.		

Progress reports will be submitted:

Start date: _____ and every six (6) months thereafter

Emission Units P03 (formerly P70)
Stack S03

Existing Modified Large Indoor Test Cells

STACK IDENTIFICATION
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-103 11-93

Information attached? ___ (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System - Waukesha Facility	2. Facility identification number: 268014670	3. Stack identification number: S03
4. Exhausting Unit(s), use Unit identification number from appropriate Form(s) 4530-104, 106, 107, 108 and/or 109 4530-104 _____ 4530-106 _____ 4530-107 _____ 4530-108 _____ 4530-109 P03		
5. Identify this stack on the plot plan required on Form 4530-101		
6. Indicate by checking: <input checked="" type="checkbox"/> This stack has an actual exhaust point. <input type="checkbox"/> This stack serves to identify fugitive emissions. If this stack has an actual exhaust point, then provide the following stack parameters		
7. Discharge height above ground level: 55 (feet)		
8. Inside dimensions at outlet (check one and complete): <input checked="" type="checkbox"/> Circular 3.17 (feet) <input type="checkbox"/> rectangular _____ length (feet) _____ width (feet)		
9. Exhaust flow rate: Normal 38,000 (ACFM) Maximum 38,000 (ACFM)		
10. Exhaust gas temperature (normal): 787 (°F)		
11. Exhaust gas moisture content: Normal _____ volume percent Maximum _____ volume percent		
12. Exhaust gas discharge direction: <input checked="" type="checkbox"/> Up <input type="checkbox"/> Down <input type="checkbox"/> Horizontal		
13. Is this stack equipped with a rainhat or any obstruction to the free flow of the exhaust gases from the stack? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

***** Complete the appropriate Air Permit Application Forms(s) 4530-104, 106, 107, 108 or 109 for each Unit exhausting through this stack.

MISCELLANEOUS PROCESSES
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

Information attached? y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power Systems – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S03	4. Process number: P03

4a. Unit description: Generator/Engine Testing

5. Indicate the control technology status. ☒ Uncontrolled ☐ Controlled

If the process is controlled, enter the control device number(s) from the appropriate form(s):

4530-110 _____ 4530-111 _____ 4530-112 _____ 4530-113 _____
4530-114 _____ 4530-115 _____ 4530-116 _____ 4530-117 _____

6. Source Classification Code (SCC): 20100202, 20301001, 20400401, 20400402

7. Date of construction or last modification: 2016

8. Normal operating schedule: 24 hrs./day 5 days/wk. 250 days/yr.

9. Describe this process (please attach a flow diagram of the process).
Engine/Generator Testing

Attached?
Yes

10. List the types and amounts of raw materials used in this process:

Material	Storage/material handling process	Average usage	Units	Maximum usage	Units
Not applicable					
Clean-up solvents					
Other (specify)					

11. List the types and amounts of finished products:

Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units
NA					

12. Process fuel usage:

Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units
Gasoline	N/A			0	Gal/hr
Diesel	54.58			398.4	Gal/hr
Propane	22.56			240	Gal/hr
Natural Gas	50.4			48,000	Cf/hr

13. Describe any fugitive emissions associated with this process, such as outdoor storage piles, unpaved roads, open conveyors, etc.: none

Attached?
No

***** For this emissions unit, identify the method(s) of compliance demonstration by completing Form 4530-118,*****
DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE. Attach Form 4530-118 and its attachment(s) to this form. This is not a requirement of non-Part 70 sources.

***** Please complete the Air Pollution Control Permit Application Forms 4530-126 and 4530-128 for this Unit. *****

EMISSION UNIT HAZARDOUS AIR POLLUTANT SUMMARY
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-126 11-93

Information attached? y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S03	4. Unit identification number: P03
5. Unit material description: Engine/Generator Testing	
6. Complete the following summary of hazardous air emissions from this unit. Attach sample calculations and emission factor references. Attached? <u>Yes – See attached sheet for emission information</u>	

Pollutant CAS	Actual emissions		Maximum theoretical emissions		Potential to emit	
		Units		Units		
Acetaldehyde, 75-07-0	See NR 438 Report		Please see attached emission spreadsheets			
Acrolein, 107-02-8						
Ammonia, 7664-41-7						
Benzene, 71-43-2						
1,3 Butadiene, 106-99-0						
Cadmium, 7440-43-9						
Carbon Tetrachloride, 56-23-5						
Formaldehyde, 50-00-0						

SEE INSTRUCTIONS ON REVERSE SIDE

1.Facility name: Generac Power System – Waukesha Facility	2.Facility identification number: 268014670
3.Stack identification number: S03	4.Unit identification number: P03

5.Complete the following emissions summary for the following pollutants. Attach sample calculations and emission factor references. Attached? Yes – see attached sheets for emission information

Air pollutant	Actual			Maximum theoretical emissions			Potential to emit		Maximum allowable*		
		U	TPY		U	TPY		TPY		U	TPY
PM/PM ₁₀	See NR 438 Report			Please see attached emissions spreadsheets							
PM _{2.5}											
Sulfur dioxide											
Organic compounds											
Carbon monoxide											
Nitrogen oxides											
CO ₂											
CH ₄											
N ₂ O											

*Maximum allowable is equal to PTE

Units (U) should be entered as follows:

- 1 = lb/hr
- 2 = lb/MMBtu
- 3 = grains/dscf
- 4 = lb/ gallon
- 5 = ppmdv
- 6 = other (specify)
- 7 = other (specify)
- 8 = other (specify)

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF UNIT
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-130 Rev. 12-99 Information attached? N (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility		2. Facility identification number: 268014670		
3. Stack identification number: S03		4. Unit identification number: P03		
5. Pollutant	6. Wis. Adm. Code Wis. Stats., 40 CFR	7. State Only	8. Limitation	9. Compliance Status (in or out)
Visible Emissions	NR 431.05		20% Opacity	In
Malodorous Emissions	NR 429.03	X	General Limit	In
Particulate	NR 415.06		0.15 lbs/MMBtu	In
Sulfur Dioxide	NR 417.03		General Limit	In
Nitrogen Oxides	NR 428.03		General Limit	In
Carbon Monoxide	NR 426.03		General Limit	In
HAPs- Not Applicable – Exempt per NR 445.07(5)(a)		X		
10. Other requirements (e.g., malfunction reporting, special operating conditions from an existing permit, etc.)			State Only	Compliance Status (in or out)
The total amount of NOx emissions from the entire project may not exceed 20.75 ton/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of NOx emissions from S03 may not exceed 11.36 ton/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of each individual federal HAP emission from the entire facility may not exceed 1,666 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of all federal HAPs combined from the entire facility may not exceed 4,166 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement

**** PART 70 SOURCES ONLY:**

- Be sure to review the Compliance Assurance Monitoring (CAM) Rule, 40 CFR Part 64, for the Renewal Application.** The CAM rule requires owners and operators of Part 70 sources to monitor the operation and maintenance of their control equipment so that they can evaluate the performance of their control devices and report whether or not their facilities meet established emission standards. All facilities that have a Title V, Part 70, Federal Operating Permit are required to meet the CAM rule and **submit a CAM plan with this Title V renewal application.** The rule requires that a CAM plan be submitted with the Title V renewal application for each pollutant at **each emissions unit** which has a potential to emit - prior to controls - of that pollutant greater than the major source threshold for the respective pollutant. Please refer to the CAM Technical Guidance web site at <http://www.epa.gov/ttn/emc/cam.html> for further documentation on the rule and how to prepare a CAM plan for submittal with the renewal application. **NOT APPLICABLE**
- List all applicable **Maximum Achievable Control Technology (MACT)** rule(s) and the effective date(s) if they were promulgated during the last 3 years of your operation permit term. Identify the emissions units subject to each MACT rule listed. **NONE**

COMPLIANCE CERTIFICATION - MONITORING AND REPORTING
DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE

Form 4530-118 11-93

Information attached? N (y/n)

All applicants except non-Part 70 sources are required to certify compliance with all applicable air pollution permit requirements by including a statement within the permit application of the methods used for determining compliance (please see sec. NR 407.05(4)(i), Wis. Adm. Code.) This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually, and may need to be more frequent if specified by the underlying applicable requirement or by the Department.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S03	4. Unit identification number: P03

5. This Unit will use the following method(s) for determining compliance with the requirements of the permit (check all that apply and attach the appropriate form(s) to this form).

- ☐ Continuous Emission Monitoring (CEM) - Form 4530-119
Pollutant(s):
- ☐ Periodic Emission Monitoring Using Portable Monitors - Form 4530-120
Pollutant(s):
- ☐ Monitoring Control System Parameters or Operating Parameters of a Process - Form 4530-121
Pollutant(s):
- ☐ Monitoring Maintenance Procedures - Form 4530-122
Pollutant(s):
- ☐ Stack Testing - Form 4530-123
Pollutant(s):
- ☐ Fuel Sampling and Analysis (FSA) - Form 4530-124
Pollutant(s):
- ☒ Recordkeeping - Form 4530-125
Pollutant(s): Carbon monoxide, NOx, PM
- ☐ Other (please describe) - Form 4530-135
Pollutant(s):

6. Compliance certification reports will be submitted to the Department according to the following schedule:

Start date: January 30, after construction is complete
and every 12 months thereafter.

Compliance monitoring reports will be submitted to the Department according to the following schedule:

Start date: January or July 30 whichever is first, after construction is complete
and every 6 months thereafter.

COMPLIANCE DEMONSTRATION BY RECORDKEEPING
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-125 11-93

Information attached? n (y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power Systems – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S03	4. Unit identification number: P03
5. Pollutant(s) being monitored: Carbon monoxide, NOx, PM	6. Material or parameter being monitored and recorded: fuel usage
7. Method of monitoring and recording: Generac will install fuel meters and calculate emissions	
8. List any EPA methods used: None.	
9. Is this an existing method of demonstrating compliance? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Installation date: Upon full scale production operation of the emission unit
11. Backup system:	
12. Compliance shall be demonstrated: <input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Batch	
13. Indicate by checking: The monitoring system shall be subject to appropriate performance specifications, calibration requirements, and quality assurance procedures. <input type="checkbox"/> A quality assurance/quality control plan for the recordkeeping system is attached for Department approval. <input type="checkbox"/> If the plan is not attached, please submit it within 60 days of the startup of the recordkeeping program. <input type="checkbox"/> The plan was submitted to the Department on ____.	

*****The compliance records shall be available for Department inspection. The format for the compliance certification report and the excess emission report shall be approved by the Department. A proposed format for the compliance certification report and excess emission report shall be submitted at the same time as the application. *****

*****The source shall record any malfunction that causes or may cause an emission limit to be exceeded. *****
Malfunctions shall be reported to the Department the next business day. Hazardous air spills shall be reported to the Department immediately.

EMISSION UNIT COMPLIANCE PLAN
COMMITMENTS AND SCHEDULE
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-131 11-93 Information attached? n(y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S03	4. Unit identification number: P03

5. For Units that are presently in compliance with all applicable requirements, including any enhanced monitoring and compliance certification requirements under section 114(a)(3) of the Clean Air Act that apply, complete the following. These commitments are part of the application for Part 70 permits.

- ☐ We will continue to operate and maintain this Unit in compliance with all applicable FACILITY WIDE requirements.
- ☒ Form 4530-130 includes new requirements that apply or will apply to this **Unit** during the term of the permit. We will meet such requirements on a timely basis.

6. For Units not presently fully in compliance, complete the following.

- ☐ This Unit is in compliance with all applicable requirements except for those indicated below. We will achieve compliance according to the following schedule:

Applicable Requirement	Corrective Actions	Deadline
1.		
2.		
3.		

Progress reports will be submitted:

Start date: _____ and every six (6) months thereafter

Emission Units P04
Stack S04

New Training Center

STACK IDENTIFICATION
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-103 11-93

Information attached? ___ (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System - Waukesha Facility	2. Facility identification number: 268014670	3. Stack identification number: S04
4. Exhausting Unit(s), use Unit identification number from appropriate Form(s) 4530-104, 106, 107, 108 and/or 109 4530-104 _____ 4530-106 _____ 4530-107 _____ 4530-108 _____ 4530-109 P04		
5. Identify this stack on the plot plan required on Form 4530-101		
6. Indicate by checking: <input checked="" type="checkbox"/> This stack has an actual exhaust point. <input type="checkbox"/> This stack serves to identify fugitive emissions. If this stack has an actual exhaust point, then provide the following stack parameters		
7. Discharge height above ground level: 55 (feet)		
8. Inside dimensions at outlet (check one and complete): <input checked="" type="checkbox"/> Circular 2.5 (feet) <input type="checkbox"/> rectangular _____ length (feet) _____ width (feet)		
9. Exhaust flow rate: Normal 22,300 (ACFM) Maximum 22,300 (ACFM)		
10. Exhaust gas temperature (normal): 1,150 (°F)		
11. Exhaust gas moisture content: Normal _____ volume percent Maximum _____ volume percent		
12. Exhaust gas discharge direction: <input checked="" type="checkbox"/> Up <input type="checkbox"/> Down <input type="checkbox"/> Horizontal		
13. Is this stack equipped with a rainhat or any obstruction to the free flow of the exhaust gases from the stack? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

***** Complete the appropriate Air Permit Application Forms(s) 4530-104, 106, 107, 108 or 109 for each Unit exhausting through this stack.

MISCELLANEOUS PROCESSES
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

Information attached? y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power Systems – Waukesha Facility	2. Facility identification number: 268014670				
3. Stack identification number: S04	4. Process number: P04				
4a. Unit description: Generator/Engine Testing					
5. Indicate the control technology status. <input checked="" type="checkbox"/> Uncontrolled <input type="checkbox"/> Controlled					
If the process is controlled, enter the control device number(s) from the appropriate form(s):					
4530-110 _____	4530-111 _____				
4530-112 _____	4530-113 _____				
4530-114 _____	4530-115 _____				
4530-116 _____	4530-117 _____				
6. Source Classification Code (SCC): 20100202, 20301001, 20400401, 20400402					
7. Date of construction or last modification: 2016					
8. Normal operating schedule: <u>24</u> hrs./day <u>5</u> days/wk. <u>250</u> days/yr.					
9. Describe this process (please attach a flow diagram of the process). Engine/Generator Testing	Attached?				
10. List the types and amounts of raw materials used in this process:					
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units
Not applicable					
Clean-up solvents					
Other (specify)					
11. List the types and amounts of finished products:					
Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units
NA					
12. Process fuel usage:					
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units
Gasoline	N/A			0	Gal/hr
Diesel	11.27			82.26	Gal/hr
Propane	10.65			113.28	Gal/hr
Natural Gas	7.4			7,050.4	Cf/hr
13. Describe any fugitive emissions associated with this process, such as outdoor storage piles, unpaved roads, open conveyors, etc.: none				Attached? No	
***** For this emissions unit, identify the method(s) of compliance demonstration by completing Form 4530-118,***** DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE. Attach Form 4530-118 and its attachment(s) to this form. This is not a requirement of non-Part 70 sources.					
***** Please complete the Air Pollution Control Permit Application Forms 4530-126 and 4530-128 for this Unit. *****					

EMISSION UNIT HAZARDOUS AIR POLLUTANT SUMMARY
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-126 11-93

Information attached? y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S04	4. Unit identification number: P04
5. Unit material description: Engine/Generator Testing	
6. Complete the following summary of hazardous air emissions from this unit. Attach sample calculations and emission factor references. Attached? <u>Yes – See attached sheet for emission information</u>	

Pollutant CAS	Actual emissions		Maximum theoretical emissions		Potential to emit	
		Units		Units		
Acetaldehyde, 75-07-0			Please see attached emission spreadsheets			
Acrolein, 107-02-8						
Ammonia, 7664-41-7						
Benzene, 71-43-2						
1,3 Butadiene, 106-99-0						
Cadmium, 7440-43-9						
Carbon Tetrachloride, 56-23-5						
Formaldehyde, 50-00-0						

SEE INSTRUCTIONS ON REVERSE SIDE

1.Facility name: Generac Power System – Waukesha Facility	2.Facility identification number: 268014670
3.Stack identification number: S04	4.Unit identification number: P04

5.Complete the following emissions summary for the following pollutants. Attach sample calculations and emission factor references. Attached? Yes – see attached sheets for emission information

Air pollutant	Actual			Maximum theoretical emissions			Potential to emit		Maximum allowable*		
		U	TPY		U	TPY		TPY		U	TPY
PM/PM ₁₀				Please see attached emissions spreadsheets							
PM _{2.5}											
Sulfur dioxide											
Organic compounds											
Carbon monoxide											
Nitrogen oxides											
CO ₂											
CH ₄											
N ₂ O											

*Maximum allowable is equal to PTE

Units (U) should be entered as follows:

- 1 = lb/hr
- 2 = lb/MMBtu
- 3 = grains/dscf
- 4 = lb/ gallon
- 5 = ppmdv
- 6 = other (specify)
- 7 = other (specify)
- 8 = other (specify)

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF UNIT
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-130 Rev. 12-99 Information attached? N (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility		2. Facility identification number: 268014670		
3. Stack identification number: S04		4. Unit identification number: P04		
5. Pollutant	6. Wis. Adm. Code Wis. Stats., 40 CFR	7. State Only	8. Limitation	9. Compliance Status (in or out)
Visible Emissions	NR 431.05		20% Opacity	In
Malodorous Emissions	NR 429.03	X	General Limit	In
Particulate	NR 415.06		0.15 lbs/MMBtu	In
Sulfur Dioxide	NR 417.03		General Limit	In
Nitrogen Oxides	NR 428.03		General Limit	In
Carbon Monoxide	NR 426.03		General Limit	In
HAPs- Not Applicable – Exempt per NR 445.07(5)(a)		X		
10. Other requirements (e.g., malfunction reporting, special operating conditions from an existing permit, etc.)			State Only	Compliance Status (in or out)
The total amount of NOx emissions from the entire project may not exceed 20.75 ton/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of NOx emissions from S04 may not exceed 0.437 ton/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of each individual federal HAP emission from the entire facility may not exceed 1,666 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of all federal HAPs combined from the entire facility may not exceed 4,166 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement

**** PART 70 SOURCES ONLY:**

- Be sure to review the Compliance Assurance Monitoring (CAM) Rule, 40 CFR Part 64, for the Renewal Application.** The CAM rule requires owners and operators of Part 70 sources to monitor the operation and maintenance of their control equipment so that they can evaluate the performance of their control devices and report whether or not their facilities meet established emission standards. All facilities that have a Title V, Part 70, Federal Operating Permit are required to meet the CAM rule and **submit a CAM plan with this Title V renewal application.** The rule requires that a CAM plan be submitted with the Title V renewal application for each pollutant at **each emissions unit** which has a potential to emit - prior to controls - of that pollutant greater than the major source threshold for the respective pollutant. Please refer to the CAM Technical Guidance web site at <http://www.epa.gov/ttn/emc/cam.html> for further documentation on the rule and how to prepare a CAM plan for submittal with the renewal application. **NOT APPLICABLE**
- List all applicable **Maximum Achievable Control Technology (MACT)** rule(s) and the effective date(s) if they were promulgated during the last 3 years of your operation permit term. Identify the emissions units subject to each MACT rule listed. **NONE**

COMPLIANCE CERTIFICATION - MONITORING AND REPORTING
DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE

Form 4530-118 11-93

Information attached? N (y/n)

All applicants except non-Part 70 sources are required to certify compliance with all applicable air pollution permit requirements by including a statement within the permit application of the methods used for determining compliance (please see sec. NR 407.05(4)(i), Wis. Adm. Code.) This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually, and may need to be more frequent if specified by the underlying applicable requirement or by the Department.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S04	4. Unit identification number: P04

5. This Unit will use the following method(s) for determining compliance with the requirements of the permit (check all that apply and attach the appropriate form(s) to this form).

☐ Continuous Emission Monitoring (CEM) - Form 4530-119
Pollutant(s):

☐ Periodic Emission Monitoring Using Portable Monitors - Form 4530-120
Pollutant(s):

☐ Monitoring Control System Parameters or Operating Parameters of a Process - Form 4530-121
Pollutant(s):

☐ Monitoring Maintenance Procedures - Form 4530-122
Pollutant(s):

☐ Stack Testing - Form 4530-123
Pollutant(s):

☐ Fuel Sampling and Analysis (FSA) - Form 4530-124
Pollutant(s):

☒ Recordkeeping - Form 4530-125
Pollutant(s): Carbon monoxide, NOx, PM

☐ Other (please describe) - Form 4530-135
Pollutant(s):

6. Compliance certification reports will be submitted to the Department according to the following schedule:

Start date: January 30, after construction is complete
and every 12 months thereafter.

Compliance monitoring reports will be submitted to the Department according to the following schedule:

Start date: January or July 30 whichever is first, after construction is complete
and every 6 months thereafter.

COMPLIANCE DEMONSTRATION BY RECORDKEEPING
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-125 11-93

Information attached? n (y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power Systems – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S04	4. Unit identification number: P04
5. Pollutant(s) being monitored: Carbon monoxide, NOx, PM	6. Material or parameter being monitored and recorded: fuel usage
7. Method of monitoring and recording: Generac will install fuel meters and calculate emissions	
8. List any EPA methods used: None.	
9. Is this an existing method of demonstrating compliance? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10. Installation date: Upon full scale production operation of the emission unit
11. Backup system:	
12. Compliance shall be demonstrated: <input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Batch	
13. Indicate by checking: The monitoring system shall be subject to appropriate performance specifications, calibration requirements, and quality assurance procedures. <input type="checkbox"/> A quality assurance/quality control plan for the recordkeeping system is attached for Department approval. <input type="checkbox"/> If the plan is not attached, please submit it within 60 days of the startup of the recordkeeping program. <input type="checkbox"/> The plan was submitted to the Department on ____.	

*****The compliance records shall be available for Department inspection. The format for the compliance certification report and the excess emission report shall be approved by the Department. A proposed format for the compliance certification report and excess emission report shall be submitted at the same time as the application. *****

*****The source shall record any malfunction that causes or may cause an emission limit to be exceeded. *****
Malfunctions shall be reported to the Department the next business day. Hazardous air spills shall be reported to the Department immediately.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: S04	4. Unit identification number: P04

5. For Units that are presently in compliance with all applicable requirements, including any enhanced monitoring and compliance certification requirements under section 114(a)(3) of the Clean Air Act that apply, complete the following. These commitments are part of the application for Part 70 permits.

- ☐ We will continue to operate and maintain this Unit in compliance with all applicable FACILITY WIDE requirements.
- ☒ Form 4530-130 includes new requirements that apply or will apply to this **Unit** during the term of the permit. We will meet such requirements on a timely basis.

6. For Units not presently fully in compliance, complete the following.

- ☐ This Unit is in compliance with all applicable requirements except for those indicated below. We will achieve compliance according to the following schedule:

Applicable Requirement	Corrective Actions	Deadline
1.		
2.		
3.		

Progress reports will be submitted:

Start date: _____ and every six (6) months thereafter

Emission Unit P05
Fugitive F05

Off Stack Noise Testing

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF UNIT
AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-130 Rev. 12-99 Information attached? N (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility		2. Facility identification number: 268014670		
3. Stack identification number: F05		4. Unit identification number: P05		
5. Pollutant	6. Wis. Adm. Code Wis. Stats., 40 CFR	7. State Only	8. Limitation	9. Compliance Status (in or out)
Visible Emissions	NR 431.05		20% Opacity	In
Malodorous Emissions	NR 429.03	X	General Limit	In
Particulate	NR 415.06		0.15 lbs/MMBtu	In
Sulfur Dioxide	NR 417.03		General Limit	In
Nitrogen Oxides	NR 428.03		General Limit	In
Carbon Monoxide	NR 426.03		General Limit	In
HAPs- Not Applicable – Exempt per NR 445.07(5)(a)		X		
10. Other requirements (e.g., malfunction reporting, special operating conditions from an existing permit, etc.)			State Only	Compliance Status (in or out)
Total hours of operation will not exceed 200 hours per year.				New Requirement
The total amount of each individual federal HAP emission from the entire facility may not exceed 1,666 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement
The total amount of all federal HAPs combined from the entire facility may not exceed 4,166 lbs/month averaged over any 12 consecutive month period [s. 285.65(7), Wis. Stats.]				New Requirement

**** PART 70 SOURCES ONLY:**

- Be sure to review the Compliance Assurance Monitoring (CAM) Rule, 40 CFR Part 64, for the Renewal Application.** The CAM rule requires owners and operators of Part 70 sources to monitor the operation and maintenance of their control equipment so that they can evaluate the performance of their control devices and report whether or not their facilities meet established emission standards. All facilities that have a Title V, Part 70, Federal Operating Permit are required to meet the CAM rule and **submit a CAM plan with this Title V renewal application.** The rule requires that a CAM plan be submitted with the Title V renewal application for each pollutant at **each emissions unit** which has a potential to emit - prior to controls - of that pollutant greater than the major source threshold for the respective pollutant. Please refer to the CAM Technical Guidance web site at <http://www.epa.gov/ttn/emc/cam.html> for further documentation on the rule and how to prepare a CAM plan for submittal with the renewal application. **NOT APPLICABLE**
- List all applicable **Maximum Achievable Control Technology (MACT)** rule(s) and the effective date(s) if they were promulgated during the last 3 years of your operation permit term. Identify the emissions units subject to each MACT rule listed. **NONE**

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

Department of Natural Resources

AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-125 11-93

Information attached? n(y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power Systems – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: F05	4. Unit identification number: P05
5. Pollutant(s) being monitored: HAPs	6. Material or parameter being monitored and recorded: Hours of operation
7. Method of monitoring and recording: Generac will track hours of operation	
8. List any EPA methods used: None.	
9. Is this an existing method of demonstrating compliance? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Installation date: Upon full scale production operation of the emission unit
11. Backup system:	
12. Compliance shall be demonstrated: <input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Batch	
13. Indicate by checking: The monitoring system shall be subject to appropriate performance specifications, calibration requirements, and quality assurance procedures. <input type="checkbox"/> A quality assurance/quality control plan for the recordkeeping system is attached for Department approval. <input type="checkbox"/> If the plan is not attached, please submit it within 60 days of the startup of the recordkeeping program. <input type="checkbox"/> The plan was submitted to the Department on ____.	

*****The compliance records shall be available for Department inspection. The format for the compliance certification report and the excess emission report shall be approved by the Department. A proposed format for the compliance certification report and excess emission report shall be submitted at the same time as the application. *****

*****The source shall record any malfunction that causes or may cause an emission limit to be exceeded. *****
Malfunctions shall be reported to the Department the next business day. Hazardous air spills shall be reported to the Department immediately.

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: Generac Power System – Waukesha Facility	2. Facility identification number: 268014670
3. Stack identification number: F05	4. Unit identification number: P05

5. For Units that are presently in compliance with all applicable requirements, including any enhanced monitoring and compliance certification requirements under section 114(a)(3) of the Clean Air Act that apply, complete the following. These commitments are part of the application for Part 70 permits.

- ☐ We will continue to operate and maintain this Unit in compliance with all applicable FACILITY WIDE requirements.
- ☒ Form 4530-130 includes new requirements that apply or will apply to this **Unit** during the term of the permit. We will meet such requirements on a timely basis.

6. For Units not presently fully in compliance, complete the following.

- ☐ This Unit is in compliance with all applicable requirements except for those indicated below. We will achieve compliance according to the following schedule:

Applicable Requirement	Corrective Actions	Deadline
1.		
2.		
3.		

Progress reports will be submitted:

Start date: _____ and every six (6) months thereafter